



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## HLA-DRB1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00003123-T03

規格 : [ 100 uL ]

List All

### Specification

**Transfected Cell Line:** 293T

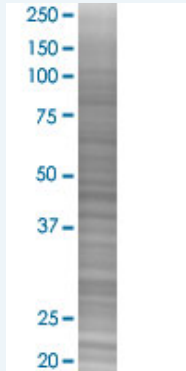
**Plasmid:** pCMV-HLA-DRB1 full-length

**Host:** Human

**Theoretical MW (kDa):** 30

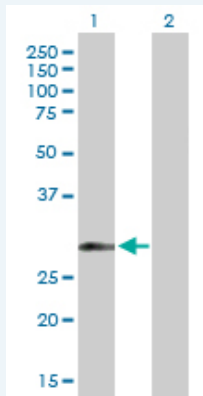
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-HLA-DRB1 antibody ([H00003123-B02P](#)) by Western Blots.

#### SDS-PAGE Gel



HLA-DRB1 transfected lysate.

#### Western Blot



Lane 1: HLA-DRB1 transfected lysate ( 30.00 KDa)

Lane 2: Non-transfected lysate.

**Storage Buffer:** 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**MSDS:**  [Download](#)

### Applications

### Application Image

Western Blot

## Western Blot

### Gene Information

Entrez GeneID: [3123](#)

GeneBank [BC033827.1](#)  
Accession#:

Protein [AAH33827.1](#)  
Accession#:

Gene Name: HLA-DRB1

Gene Alias: DRB1,FLJ76359,HLA-DR1B,HLA-DRB,HLA-DRB1\*,SS1

Gene Description: major histocompatibility complex, class II, DR beta 1

Omim ID: [126200](#), [142857](#), [181000](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** HLA-DRB1 belongs to the HLA class II beta chain paralogs. The class II molecule is a heterodimer consisting of an alpha (DRA) and a beta chain (DRB), both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The beta chain is approximately 26-28 kDa. It is encoded by 6 exons. Exon one encodes the leader peptide; exons 2 and 3 encode the two extracellular domains; exon 4 encodes the transmembrane domain; and exon 5 encodes the cytoplasmic tail. Within the DR molecule the beta chain contains all the polymorphisms specifying the peptide binding specificities. Hundreds of DRB1 alleles have been described and typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. DRB1 is expressed at a level five times higher than its paralogs DRB3, DRB4 and DRB5. DRB1 is present in all individuals. Allelic variants of DRB1 are linked with either none or one of the genes DRB3, DRB4 and DRB5. There are 4 related pseudogenes: DRB2, DRB6, DRB7, DRB8 and DRB9. [provided by RefSeq]

**Other Designations:** HLA class II antigen beta chain,HLA class II histocompatibility antigen, DR-1 beta chain,HLA-DR-beta 1,MHC class II HLA-DR beta 1 chain,MHC class II HLA-DR-beta cell surface glycoprotein,MHC class II antigen HLA-DR13,human leucocyte antigen DRB1,leucocyte

### Gene Pathway

[Allograft rejection](#) [Antigen processing and presentation](#) [Asthma](#)  
[Autoimmune thyroid disease](#) [Cell adhesion molecules \(CAMs\)](#) [Graft-versus-host disease](#)  
[Hematopoietic cell lineage](#) [Systemic lupus erythematosus](#) [Type I diabetes mellitus](#)

### Related Disease

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